## WHAT IS CLAIMED IS:

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1	1.	A method comprising the steps of:
2		reading a first data representing a first portion of a transport stream;
3		providing a representation of the first data to a transport stream handler, wherein the
4		representation of the first data is provided in a transport stream format; and
5		receiving a bit-rate indicator based upon the first data, wherein the bit-rate indicator is
6		used to adjust a transmit bit rate at which a second portion of the transport stream
7		is provided.

- 2. The method as in Claim 1, wherein the transport stream format includes a data signal and a clock signal.
  - 3. The method as in Claim 1, wherein the bit-rate indicator is based on an amount of the representation of the first data which has been received by the transport stream handler.
- 4. The method as in Claim 1, wherein the bit-rate indicator is based on the fullness of a data FIFO (First In First Out) memory associated with the transport stream handler.

1	5.	A method comprising the steps of:
2		reading data from a file;
3		setting a transmit bit-rate to a first bit-rate;
4		sending a transport stream based on the data to a demultiplexer at the transmit bit rate;
5		determining a number of transmitted bits between two program clocks referenced in a
6		common program stream, wherein the program clock references are read from the
7		transport stream;
8		determine a desired elapsed time between the two program clock;
9		determining a desired bit-rate based on the desired elapsed time and the number of
10		transmitted bits; and
11		setting the transmit bit-rate to the desired bit-rate.
1 1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6.	The method as in Claim 5, wherein the transmit bit-rate is determined by calculating an average number of bits associated with the transport stream sent to the demultiplexer per unit time.
2	7.	The method as in Claim 5, wherein the common program stream is determined by parsing program stream information tables to determine a program identifier of a particular program stream.
1	8.	The method as in Claim 5, wherein the common program stream is determined by parsing program map tables to determine a program identifier of a particular program stream.
1	9.	The method as in Claim 5, wherein the step of setting the transmit bit-rate to the desired
2		bit-rate includes indicating that transmission of a portion of the transport stream should
3		be delayed.

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1	10.	A method comprising the steps of:
2		determining a desired bit-rate of a received transport stream;
3		determining a current bit-rate of the received transport stream;
4		determining a throttle amount based on the desired bit-rate and the current bit-rate; and
5		providing an indicator requesting the throttle amount.
1	11.	The method as in Claim 10, wherein the desired bit-rate is based on calculating a desired
2		elapsed time between consecutive program clock references included in the received
3		transport stream.
1	12.	The method as in Claim 10, wherein the throttle amount includes an amount of time to
2		wait before transmitting a portion of the transport stream.
1	13.	The method as in Claim 10, wherein the throttle includes an amount of data to hold to
2		alter the current bit-rate.
1	14.	The method as in Claim 10, wherein the desired bit-rate and the current bit-rate indicate
2		number of bits per millisecond.
1	15.	The method as in Claim 10, wherein the desired bit-rate and the current bit-rate indicate
2		number of bits per microsecond.
1	16.	The method as in Claim 10, wherein the indicator includes a providing a signal via
2		hardware signal.
1	17.	The method as in Claim 16, wherein the signal is used to apply a value to a particular
2		register.
1	18.	The method as in Claim 16, wherein the signal includes an interrupt.

The method as in Claim 10, wherein the indicator includes a software signal.

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- The method as in Claim 10, wherein the step of providing the indicator is only performed when a difference between the desired bit-rate and the current bit-rate is greater than a predetermined value.
- The method as in Claim 10, further including the steps of:

  determining if the throttle time is larger than a threshold;

  reading new data from a file when the time is larger than the threshold; and

  determining a new desired bit-rate based on the new data, when the time is larger than the

threshold.

1	22.	A method comprising the steps of:
2		receiving data from a multimedia stream at a buffer;
3		determining a fullness of the buffer; and
4		providing an indicator to request a transmitting source to reduce a data rate of the
5		multimedia stream when the fullness is greater than a predetermined amount.

- The method as in Claim 22, wherein the buffer includes a first-in-first-out memory array.
- 1 24. The method as in Claim 22, wherein the data is related to video data.
- 1 25. The method as in Claim 22, wherein the data is related to audio data.
- The method as in Claim 22, wherein reducing the data rate of the multimedia stream includes suspending transmission of a portion of the multimedia stream.

1	27.	A system comprising:
2		a data processor having an I/O buffer;
3		a memory having an I/O buffer coupled to the I/O buffer of the data processor, the memory
4		capable of storing code to control said data processor to:
5		read data related to a transport stream from a file;
6		a multimedia port including:
7		a buss to provide data and an address to communicate with a first external device;
8		a set of general purpose I/O lines for communicating with a second external
9		device;
10		a TVO transmit portion to transmit TVO data; and
11		a transport stream transmit portion to transmit a representation of the transport
_12		stream.
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1	28.	The method as in Claim 27, wherein the transport stream portion includes an indicator for
12	select	ing between parallel and serial transmission of the representation of the transport stream.
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A computer readable medium tangibly embodying a program of instructions to 29. 1 manipulate a data processor to: 2 determine a desired bit-rate of a received transport stream; 3 determine a current bit-rate of the received transport stream;

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- determine a throttle amount based on the desired bit-rate and the current bit-rate; and 5 provide an indicator requesting the throttle amount. 6
- The method as in Claim 29, wherein the desired bit-rate is determined based on an 30. 1 amount of data between consecutive program clock references within the received 2 transport stream. 3
- The method as in Claim 29, wherein the throttle amount is an amount of time to suspend 31. 1 The time the test to the time the a transmission of the received transport stream.

1	32.	A system comprising:
2		a means to determine a desired bit-rate of a received transport stream;
3		a means to determine a current bit-rate of the received transport stream;
4		a means to determine a throttle amount based on the desired bit-rate and the current bit-
5		rate; and
6		a means to provide an indicator requesting the throttle time.

1	33.	A system comprising:
2		a means to receive data from a multimedia stream at a buffer;
3		a means to determine a fullness of the buffer; and
4		a means to provide an indicator to request a transmitting source to reduce a data rate of
5		the multimedia stream when the fullness is greater than a predetermined amount.